

Title (en)  
A COMPOSITE MATERIAL, A STRUCTURAL ELEMENT COMPRISED OF THE COMPOSITE MATERIAL, AN AIRPLANE WING SPAR AND THEIR METHODS OF PRODUCTION

Title (de)  
VERBUNDMATERIAL, STRUKTURELEMENT AUS DIESEM VERBUNDMATERIAL, FLUGZEUGFLÜGELHOLM UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
MATÉRIAU COMPOSITE, ÉLÉMENT DE CONSTRUCTION CONSTITUÉ DU MATÉRIAU COMPOSITE, LONGERON D'AILE D'AVION ET LEURS PROCÉDÉS DE PRODUCTION

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Application  
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Abstract (en)  
[origin: WO2012007891A2] Disclosed is to a composite material, a structural element comprised of the composite material, an airplane wing spar and their methods of production. Some embodiments of the present invention include composite materials comprised of multiple layers of arrays of metallic bodies separated by layers of non-metallic material, wherein the orientation of metallic bodies in some metallic layers is structurally complementing to the orientation of metallic layers in adjacent metallic layers. Other embodiments of the present invention include structural elements, such as an airplane wing spar, comprised of the composite material.

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